FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/09/00
Date Received: 07/20/00
Project: Metro Self Monitor, PO# M64564
Date Extracted: 08/03/00
Date Analyzed: 08/03/00

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Results Reported as mg/L (ppm)

Sample ID Laboratory ID	Chromium	Copper	Nickel	Zinc
M64564 007079-01	0.96	0.64	0.76	0.07 lc
Method Blank	<0.05	<0.05	<0.05	0.10

lc - The presence of the compound indicated is likely due to laboratory contamination.

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QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 007113-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.32	0.33	3	0-20
Copper	mg/L (ppm)	0.12	0.11	9	0-20
Nickel	mg/L (ppm)	0.12	0.11	9	0-20
Zinc	mg/L (ppm)	0.10	0.12	0	0-20

Laboratory Code: 007113-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	0.32	94	100	80-120	6
Copper	mg/L (ppm)	5	0.12	88	99	80-120	12
Nickel	mg/L (ppm)	10	0.12	92	97	80-120	5
Zinc	mg/L (ppm)	5	0.10	100	104	80-120	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	101	108	80-120	7
Copper	mg/L (ppm)	5	107	105	80-120	2
Nickel	mg/L (ppm)	10	98	105	80-120	7
Zinc	mg/L (ppm)	5	101	108	80-120	7

FRIEDMAN & BRUYA, INC.
3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282

007079

KT, AI2
7/20/00

SAMPLE CHAIN OF CUSTODY

Send Report To:
Company Alaskan Copper Works Contact Gerald A. Thompson
Address 628 Harbor St
City, State, Zip Seattle WA 98134
Phone # 206-382-8375 FAX # 206-382-4309 Date 7-20-00

SITE NO.	PROJECT NAME	PURCHASE ORDER #
7238	metro Self monitor	M64564

SAMPLERS *(signature)*

PROJECT LOCATION: 3200 6th Ave S.

REMARKS

SAMPLE DISPOSAL INFORMATION
- ☐ Dispose after 30 days
- ☒ Return Samples
- ☐ Call for Instructions

Sample #	Date/Time Sampled	Type of Sample	# of Jars	Lab Sample #	Analyses Requested
M64564	12:30pm 7/20/00	H2O	1	01	Cr Cu Ni Zn

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by:	Gerald A. Thompson	ACW	7/20/00	1:20pm
Received by:	Eric Young	F+B, Inc.	7/20/00	1:20pm
Relinquished by:				
Received by:				

FORMS/COC 05/15/00

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 9, 2000

Gerald A. Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on July 20, 2000 from your Metro Self Monitor, PO# M64564 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Kate Trafton
Project Manager

Enclosures
ACU0809R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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August 9, 2000

DUPLICATE COPY

INVOICE #00ACU0809-3

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M64564- Results of testing requested by Gerald A. Thompson for material submitted on July 20, 2000.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 6010 @ $80 per sample	$ 80.00
Amount Due	$ 80.00

FEDERAL TAX ID #(b) (6)